

Attorney Docket: 1087.3A-1(37US4)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ROLFE C. ANDERSON et al.  
Serial No: 09/751,658  
Filed: December 31, 2000  
For: INTEGRATED NUCLEIC ACID DIAGNOSTIC DEVICE

Examiner: W. Beisner  
Art Unit: 1744

COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

RESPONSE

In response to the Office Action dated September 13, 2001, Applicants respond as follows:

In the Claims:

90. (Amended) A method of repeatedly measuring a known volume of a fluid in a miniature fluidic system, comprising:

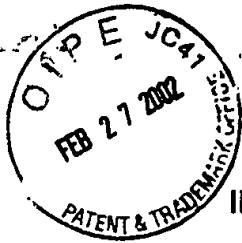
providing a microfabricated device having at least first and second chambers disposed therein, wherein said at least first and second chambers are in fluid connection, each comprise at least one vent port, and wherein at least one of said chambers is a volumetric chamber having a known volume;

filling said volumetric chamber with said fluid to create a first aliquot of said fluid; transporting said first aliquot of said fluid to said at least second chamber; and repeating said filling and transporting steps by applying pressure from an external source.

Please enter the following new claims:

*Sub c 2* --92. A method of measuring and processing a known volume of a fluid in a miniature fluidic system for integrated nucleic acid analysis, comprising the acts of:

providing a microfabricated device having at least first and second chambers disposed therein, said at least first and second chambers including at least one vent port and at least one of said chambers being a volumetric chamber having a known volume;



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JF 12

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TRANSMITTAL LETTER

In response to the Office Action dated September 13, 2001, Applicants enclose the following:

- Response;
- Supplemental Declaration;
- Petition for Two Month Extension of Time; and
- Return Receipt Postcard

If the enclosed papers are considered incomplete, please contact the undersigned at 781-943-4012 (or 274-8064). Please charge all PTO fees and apply all credits to the Deposit Account No. 01-0431. A duplicate of this sheet is enclosed.

Respectfully submitted,

  
Ivan D. Zitkovsky, Reg. No. 37,482  
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Lexington, MA 02421-7713

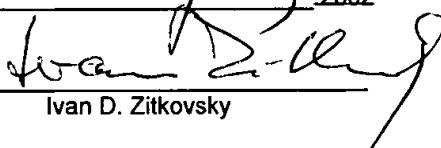
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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on

February 13, 2002

  
Ivan D. Zitkovsky